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## DETERMINATION AND FINDINGS

### Authority to negotiate an Individual Contract

Upon the basis of the following findings and determination, a proposed contract justified below is recommended to be negotiated without formal advertising pursuant to the authority of 20 U.S.C. 2304 (a) (10), as implemented by paragraph 3-210.2.

25X1A 1. During the week of 18 April 1976, the MAX III suffered a total "blackout" due to loss of critically required interior ambient control. In order that the principle mission [REDACTED] be successfully executed

25X1A [REDACTED]  
cations, it is imperative that the chilled water system providing MAX III equipment cooling along with ambient cooling be maintained within the critical limits of the system. Any deviation from this temperature criteria causes automated equipment to fail. Failure of the MAX III is catastrophic since it viably causes possible loss to one time transmissions, delays communications on a worldwide basis, and potentially causes internal damage to electronic components. Failure of the disc storage units alone, which contain critical systems data, all current message traffic plus that traffic processed through the system for the previous seven (7) days, as well as the statistical system data necessary to restore the complete MAX system to service cannot be estimated or valued. The loss of proper ambient temperature also adversely affects cryptographic equipment. Unscheduled shut down of MAX III, even for a short time is totally unacceptable with potential impact on world affairs.

25X1A 2. The [REDACTED] facility is electrically protected with virtually fail-safe electrical systems consisting of modern uninterrupted power availability incorporating associated generators and switchgear. There currently is insufficient back-up air conditioning consistent with heat producing expansions of communications equipment presently being reconfigured and installed by the Office of Communications.

Attachment II

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## Determination and Findings - Authority to Negotiate an Individual Contract

3. The high outside ambient season is very close and the installation of auxiliary equipment air conditioning is imperative. The market for manufacturers of suitable air conditioning equipment has been canvassed for availability and compatibility with the result that [REDACTED] Incorporated has the only equipment available in the necessary time frame to meet the requirement. Therefore, a negotiated contract for a manufactured and installed chiller and associated components compatible with existing air conditioning equipment is necessary to provide the required air conditioning back-up [REDACTED] and related Agency communication links.

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4. DETERMINATION - A proposed negotiated contract is justified because of the limited time availability in securing competition through formal advertising and the associated scenario of events that must necessarily transpire as a consequence of those procedures.

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5/21/76  
Date

[REDACTED]  
Contracting Officer

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20 May 1976

MEMORANDUM FOR THE RECORD

SUBJECT: Market Research - Additional Chiller Capacity,  
Station [REDACTED]

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1. Subsequent to the MAX III outage which occurred during the unusual heat wave experienced in the Metropolitan Area in late April 1976, an urgent requirement was directed from C/RECD, [REDACTED] to establish sufficient air conditioning availability/reliability for the existing system [REDACTED]. A practical solution to the problem was presented by providing for the installation of redundant air conditioning equipment which would be compatible with existing installed chiller units, as well as allowing rapid integration with the existing facilities' electrical power distribution system and associated air conditioning appurtenances. As a result, a search was initiated to contact and discuss with manufacturers the availability of air conditioning chiller central package units that could meet all established criteria, including installation prior to the 1976 summertime cooling season.

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2. Requirements for the proposed chiller package unit were defined as follows:

Unit to be designed for operation on a 208 Volt, 3 phase, 60 HZ electric power distribution system. Unit to be nominally rated 90 Ton and shall contain dual or more reciprocal compressors, a single chiller complete with air cooled condensers, and manufactured specifically for outside mounting. Unit to allow interconnection with existing air conditioner chillers presently installed on-site with minimum disruption of existing service. Compatibility was further described as having adjustable return water temperature control, low inrush (start up) current, compressor serviceability, automatic recycling pump down, and inherent protection devices. Finally, equipment availability, installation capabilities by suppliers and desired warranties must be considered.

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Attachment I

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SUBJECT: Market Research - Additional Chiller Capacity Page 2  
Station [REDACTED]

3. A summary of the results of the search is as follows:

(a) Trane Industries Incorporated: Delivery schedule, minimum of 8 weeks. Can only provide single drive compressor on chiller with the disadvantage of causing substantial current draw down on start up. Quoted cost for installation (less control for integrating with existing Honeywell system) \$44,990.00 through recommended mechanical installer.

(b) General Electric - Only maximum 44 Ton capacity manufactured.

(c) Fedders Corporation - Maximum 86 Ton capacity with 20 weeks lead time.

(d) Carrier - Acceptable unit available with 12 weeks lead time after placement of order.

(e) Lennox Industries - Manufactures only air-to-air unit in required size which is not compatible with existing installed equipment.

(f) Westinghouse - Manufactures only to 33 Ton in demanded requirements which is not sufficient.

(g) York Air Conditioning Incorporated - Can provide 91 Ton unit with 4 compressors meeting all requirements for immediate delivery and installation through recommended mechanical subcontractor. Quoted cost for installation (less controls for interfacing with existing Honeywell system) is

(h) Climatrol - 88 Ton capacity available with 6 week delivery after placement of order. Unit contains single compressor with excessive current draw-down.

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